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Country: JP Japan

Kind: A

Inventor: **SAKOTA HIROMI;**  
**NINOMIYA TAKASHI;**  
**KUSANO KUNIO;**Assignee: **SEKISUI CHEM CO LTD**  
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Filed: 1992-03-23 / 1990-07-31Application  
Number: JP1990000204416IPC Code: C04B 28/04; B28B 3/20; C04B 14/04; C04B 14/16; C04B 14/38;  
C04B 16/06; C04B 16/08; C04B 18/08; C04B 18/24;  
C04B 22/06; C04B 24/38;Priority  
Number: 1990-07-31 JP1990000204416

Abstract: PURPOSE: To obtain a lightweight and high-strength hardened body in a short curing time by incorporating specified amts. of aluminum hydroxide and an elastic lightweight aggregate into the composition consisting essentially of cement, reinforcing fibers and a fibrous water holding agent.

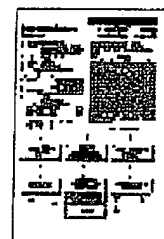
CONSTITUTION: The composition contains 100 pts.wt. of cement, 0.5-50 pts.wt. of aluminum hydroxide, 0.1-20 pts.wt. of an elastic lightweight aggregate having ≤5mm grain diameter and 0-100 pts.wt. of an inorg. lightweight aggregate. Since the elastic aggregate is used for the composition, the breakage of the inorg. aggregate ordinarily jointly used is prevented in an extruder, and hence a lightweight and high-strength formed hardened body is obtained. Further, a natural rugged pattern appears on the surface by the spring back of the elastic aggregate, and the curing time is reduced because the composition contains aluminum hydroxide.

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Family: None

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| PDF | Patent | Pub.Date | Inventor | Assignee | Title |
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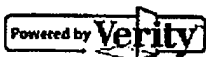
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|  | <b>US6572697</b> | 2003-06-03 | Gleeson;<br>James A. | James Hardie<br>Research Pty<br>Limited | Fiber cement building<br>materials with low density<br>additives |
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Other Abstract  
Info:

CHEMABS 117(06)054763D CAN117(06)054763D DERABS C92-147470 DERC92-147470



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